

**Notice of Allowability**

Application No.

09/873,362

Examiner

Haresh Patel

Applicant(s)

YAMAGUCHI, TOSHIO

Art Unit

2154

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/4/2005.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☒ The drawings filed on 30 January 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 05/23/2005.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
**JOHN FOLLANSBEE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**

### EXAMINER'S AMENDMENT

1. Claims 1-5 are presented for examination.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Frederick D. Bailey on May 17, 2005.

#### *Amendments to the Specification*

4. Please amend the title as below:  
  
"AN IMPROVED SYSTEM AND METHOD TO DYNAMICALLY SELECT AND LOCATE SERVER OBJECTS BASED ON VERSION INFORMATION OF THE SERVER OBJECTS"

#### *Amendments to the Claims*

5. Please amend the claims 1-5 as below:  
  
Claim 1: (Currently amended) A distributed object management method ~~for~~ to managing computer objects including a client object, a management object, and server objects having a newest server object, in a distributed object environment, comprising the steps of:  
  
requesting, by ~~a~~ the client object, server objects information from ~~a~~ the management object, to access the server objects ~~of server objects to be accessed;~~

selecting and supplying, by the management object, to the client object, the server objects  
information containing a change information ~~a requester with server object information of a~~  
~~newest server object of requested server objects based on a change information including a~~  
~~revision information indicating showing a newness of each of said requested server objects, the~~  
~~selecting and supplying being performed by the management object;~~

accessing, by the client object, said newest server object directly and not via the  
management object ~~said newest server object indicated in the server object information supplied;~~  
and

performing processing, by the newest server object, for the client object; ~~requested by~~  
~~said access;~~

wherein, at the newest revision of the accessed server object, if it exists, is accessible by  
another client object in response to another a-request while the performing processing requested  
continues;

wherein, if the server objects with same name or same interface identification  
information exists, the management server stopping the server object having old change  
information including old revision information.

Claim 2: (Currently amended) ~~A~~ The distributed object management method according to  
Claim 1, further comprising the steps of:

in a case where the requester is a server object to be accessed during said accessing step,  
selecting and supplying to the requester, the server object information of the another server

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object to be accessed from said server object, in accordance with said change information for the requester server object.

Claim 3. (Previously presented) A The distributed object management method according to Claim 2, further comprising the steps of:

in a case where there are a plurality of server objects having a same server object name or same interface identification information, stopping server objects having old change information including old version information.

Claim 4. (Currently amended) A distributed object management system to manage computer objects including a client object, a management object, and server objects having a newest server object, in a distributed object environment~~for managing objects in a distributed object environment~~, comprising:

a server object information acquisition unit of the client object ~~for to~~ requesting server objects information from the management object, to access the server objects~~of a server object to be accessed~~;

a server object information selection unit of the management object ~~for to~~ selecting and supplying to the client object, the server objects information containing a change information a requester with server object information of a newest server object of requested server objects based on a change information including a revision information indicating showing a newness of each of said requested server objects;

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a server object access unit of the client object for to accessing said newest server object directly and not via the management object~~a server object indicated in said server object information supplied~~; and

a request processing unit for of the newest server object to performing processing for the client object~~requested by said access~~;

wherein ~~a~~ the newest revision of the accessed server object, if it exists, is accessible by another client object in response to another ~~a~~ request while the performing processing requested continues;

wherein, if the server objects with same name or same interface identification information exists, the management server stopping the server object having old change information including old revision information.

Claim 5. (Currently amended) A computer readable recording medium having recorded thereon a program for causing a computer to function as a distributed object management system to manage computer objects including a client object, a management object, and server objects having a newest server object, in a distributed object environment~~for managing objects in a distributed object environment~~, comprising:

a server object information acquisition unit for to requesting server objects information from the management object, to access the server objects~~of server objects to be accessed~~;

a server object information select unit of the client object for to selecting and supplying, by the management object, to the client object, the server objects information containing a change information ~~a requester with server object information of a newest server object of~~

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~~requested server objects based on a change information~~ including revision information indicating  
~~showing a newness of each of said requested server objects;~~

a server object access unit of the client object for to accessing said newest server object  
directly and not via the management object~~a server object indicated in said server object~~  
~~information supplied;~~ and

a request processing unit ~~for performing, by the newest server object, for the client~~  
object; processing requested by said access,

wherein ~~a the~~ newest revision of the accessed server object, if ~~it~~ exists, is accessible by  
another client object in response to ~~a another~~ request while the performing processing requested  
continues;

wherein, if the server objects with same name or same interface identification  
information exists, the management server stopping the server object having old change  
information including old revision information.

#### ***Allowable Subject Matter***

6. Claims 1-5 are allowed.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the  
examiner should be directed to Haresh Patel whose telephone number is (571) 272-3973. The  
examiner can normally be reached on Monday, Tuesday, Thursday and Friday from 10:00 am to  
8:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Haresh Patel

May 23, 2005

 JOHN FOLLANSBEE  
SUPERVISORY PATENT EXAMINER  
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